

ABSTRACT OF THE DISCLOSURE

The invention relates to reinforced composite vehicle load floors of the sandwich-type having a cellular core. In a method for making a load floor of the invention, a stack is formed that is made up of: a load-bearing upper skin made of
5 a reinforced thermoplastics material; an upper skeletal frame structure of reinforcing slats each of which is made of a reinforced thermoplastic composite or pultrusion; a cellular core made of a thermoplastic material; a lower skeletal frame structure of reinforcing slats each of which is also made of a reinforced thermoplastic composite or pultrusion; and a bottom skin made of a reinforced thermoplastic material. Each
10 of the frame structures of reinforcing slats has a surface area that is smaller than the surface area of each of the skins. The frame structures of reinforcing slats are positioned symmetrically about a plane formed by the cellular core against the skins.